

Appl. No.: 10/523,243
Amendment Dated: September 24, 2008
Reply to Office Action of March 24, 2008

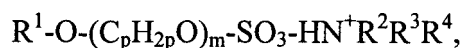
Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. **(Previously Presented)** A microemulsion comprising at least the following components:

(A) 0.5 to 70% by weight of alkanolammonium salts of the alkylsulfates and/or alkylpolyalkyleneglycolethersulfates having the following structure



wherein

$R^1 =$ is a C_8 - to C_{20} - hydrocarbon radical,

$p =$ is an integer from 2 to 5, where p can be different for each m,

$R^2 =$ is H, a C_1 - to C_6 - alkyl or a C_2 - to C_4 - hydroxyalkyl,

$R^3 =$ is H, a C_1 - to C_6 - alkyl or a C_2 - to C_4 - hydroxyalkyl,

$R^4 =$ is a C_2 - to C_4 - hydroxyalkyl, and

$m =$ is an integer from 0 to 7,

or mixtures thereof,

(B) 20 to 95% by weight of water,

(C) 0.1 to 20% by weight of one or more oil component(s),

(D) 0.1 to 20% by weight of one or more mono- or polyhydroxy C_2 - to C_{24} - alcohol(s), and

an additive selected from the group consisting of:

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(E.1) 0.1 to 15% by weight of one or more UV filter(s)

(E.2) 0.1 to 3% by weight of one or more antidandruff substance(s) and mixtures

thereof, each percentage hereof based on the total composition.

2. **(Previously Presented)** A microemulsion according to Claim 1,

characterized in that the UV filter(s) is (are) chosen from among the group of 3-benzylidenecamphor and its derivatives, 4-aminobenzoic acid derivatives, cinnamic acid esters, salicylic acid esters, benzophenone derivatives, benzalmalonic acid esters, triazine derivatives, propane-1, 3-diones, phenylbenzimidazolsulfonic acid and the salts thereof, sulfonic acid derivatives of benzophenone, sulfonic acid derivatives of 3-benzylidene camphor, 4-aminobenzoic acid derivatives, and finely dispersed metal oxides or salts.

3. **(Previously Presented)** A microemulsion according to any one of the preceding claims,

characterized in that the UV filter (E.1) is one or more of the following substances: octocrylenes, 4-methoxycinnamic acid-2-ethylhexyl ester, 2-phenylbenzimidazol-5-sulfonic acid, 2-hydroxy-4-methoxybenzophenone sulfonic acid, and 4-bis(polyethoxy)paraminobenzoic acid polyethoxyethyl ester, and mixtures thereof.

4. **(Previously Presented)** A microemulsion according to Claim 1,

characterized in that the antidandruff substance (E.2) is one or more of the following substances: 1-(4-chlorophenoxy)-1-(1-H-imidazol-1-yl)-3, 3-di-methyl-2-

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butanone, 3-aminopyridine, and the compound composed of 2-aminoethanol and 1-hydroxy-4-methyl-6-(2,4, 4-trimethylpentyl)-2(1H)-pyridone.

5. **(Previously Presented)** A microemulsion according to Claim 1, characterized in that the alkanolammonium salts of the alkylsulfates and/or alkylpolyalkyleneglycolethersulfates have independently of one another the following residues or indices:

$R^1 =$ a linear or saturated C_{12} - to C_{16} - alkyl residue,

$p =$ 2 or 3, where p may be different for each m,

$R^2 =$ H or hydroxyisopropyl,

$R^3 =$ H or hydroxyisopropyl,

$R^4 =$ hydroxyisopropyl and/or

$m =$ an integer from 0 to 2.

6. **(Previously Presented)** A microemulsion according to any one of Claims 1 or 2, wherein the microemulsion contains
- 2 to 60% by weight of component (A)
- 30 to 80% by weight of component (B)
- 0.5 to 15% by weight of component (C) and/or
- 0.1 to 9% by weight of component (D).

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7. **(Currently Amended)** A microemulsion according to any one of Claims 1 or 2, wherein the microemulsion also contains at least one of the following components:
- (F) greater than 0 to 20% by weight of one or more additional surfactant(s) or emulsifier(s),
 - (G) greater than 0 to 20% by weight of one or more electrolyte(s), and
 - (H) greater than 0 to 10% by weight of one or more additive(s),
~~and optionally also~~
8. **(Previously Presented)** A microemulsion according to Claim 7 containing at least the following component:
- (F) at least 1% by weight of a product obtained by the alkoxylation of triglycerides, which is esterified, wholly or in part, with C₆- to C₂₂- fatty acids, wherein preferably 2 to 40 moles of alkoxylation agent are employed per mole of triglyceride.
9. **(Previously Presented)** A microemulsion according to any one of Claims 1 or 2, wherein the oil component (C) contains one or more component(s) chosen from the group of lecithins, mono-, di-, and/or triglycerides of saturated and/or unsaturated, branched and/or linear carboxylic acids having a chain length from 8 to 24 carbon atoms, branched and/or linear hydrocarbons, waxes, Vaseline, paraffin oils, polyolefins, silicone oils, and esters of saturated, unsaturated and/or aromatic, branched and/or linear carboxylic acids having

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a chain length from 3 to 30 carbon atoms and saturated and/or unsaturated, branched and/or linear alcohols having a chain length from 3 to 30 carbon atoms, and mixtures thereof.

10. **(Currently Amended)** A microemulsion according to any one of Claims 1 or 2, characterized in that the microemulsion is a stable and transparent composition ~~emulsion~~ with an average particle size of less than 100 nm in its disperse phase.
11. **(Previously Presented)** A microemulsion according to any one of Claims 1 or 2, characterized in that the microemulsion contains less than 0.5% by weight of anionic surfactants of the sulfonate type and particularly less than 0.5% by weight of fatty acid polyglycol ester sulfates, preferably no fatty acid polyglycol ester sulfates.
- 12-17 **(Cancelled)**
18. **(Previously Presented)** A method of protecting skin by applying to the skin a microemulsion according to any one of Claims 1 or 2, wherein the emulsion contains the component (E.1) as a sunscreen.
19. **(Previously Presented)** A method for cleaning and treating the skin by applying the microemulsion of any one of Claims 1 or 2 in the form of a foam generated by means of a

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manually operated pump for dispensing foam without using propellants.

20. **(Previously Presented)** The method of Claim 18 wherein the microemulsion contains more than 0% by weight of the component (F) and can be rinsed off with water after application.
21. **(Previously Presented)** The method Claim 19 wherein the microemulsion contains more than 0% by weight of the component (F) and can be rinsed off with water after application.
22. **(Previously Presented)** A method of cleaning and treating hair, particularly as a shower gel, which can be rinsed off with water after application, comprising applying to hair the microemulsion of any one of Claims 1 or 2.
23. **(Previously Presented)** A method of cleaning hair comprising applying to hair the microemulsion according to any one of Claims 1 or 2 as an antidandruff shampoo, which contains the component (E.2) and preferably also contains an amount of component (F).
24. **(Previously Presented)** A method according to Claim 23, wherein component (E.2) is 3-aminopyridine (niacin amide) and/or 1-(4-chlorophenoxy-1-(1H-imidazol-1-yl)-3, 3-dimethyl-2-butanone (climbazol).

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25. **(Previously Presented)** A microemulsion according to Claim 4, characterized in that component (E.2) is 3-aminopyridine (niacin amide).
26. **(Previously Presented)** A microemulsion according to Claim 4, characterized in that component (E.2) is 1-(4-chlorophenoxy-1-(1H-imidazol-1-yl)-3, 3-dimethyl-2-butanone (climbazol).
27. **(New)** A method of controlling dandruff and preventing UV damage to skin comprising:
applying to the hair and/or skin a microemulsion according to any one of Claims 1 or 2.